



# Drought Information Statement for the Mid-South

Valid 01/25/2024

Issued By: NWS Memphis, TN

Contact Information: [sr-meg.wx@noaa.gov](mailto:sr-meg.wx@noaa.gov)

- This product will be updated February 8, 2024, or sooner if drought conditions change significantly.
- Please see all currently available products at <https://drought.gov/drought-information-statements>.
- Please visit <https://www.weather.gov/meg/DroughtInformationStatement> for previous statements.

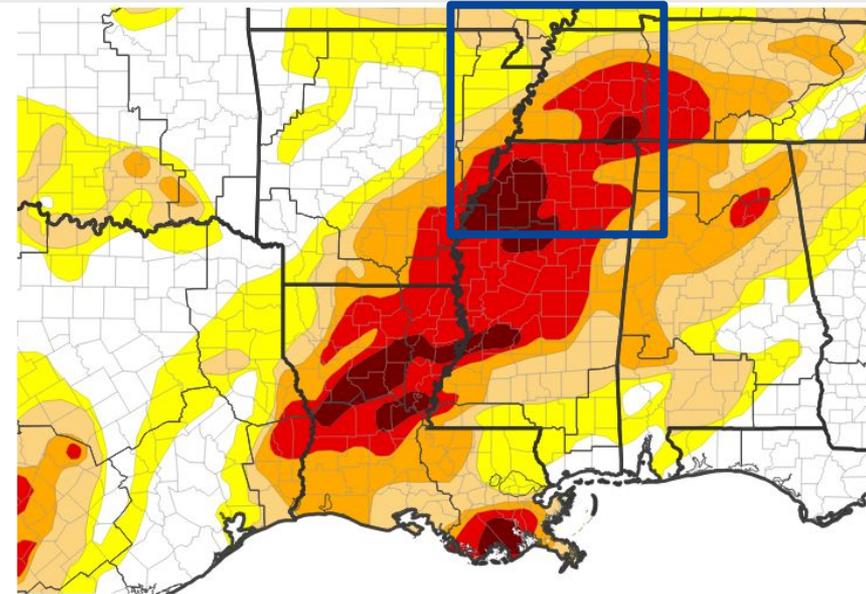




# U.S. Drought Monitor

Link to the [latest U.S. Drought Monitor](#) for the Mid-South

- EXCEPTIONAL DROUGHT CONDITIONS CONTINUE
- Drought intensity and extent
  - D4 (Exceptional Drought): Continuing in north MS and a small swath in southern TN.
  - D3 (Extreme Drought): Continuing in north MS and a most of West TN.
  - D2 (Severe Drought): Continuing in southeast AR, extreme northeast MS, and portions of West TN.
  - D1 (Moderate Drought): A swath in east-central and far northeast AR, West TN, and the MO Bootheel.
  - D0 (Abnormally Dry): A small swath in northeast AR and a portion of the MO Bootheel.



U.S. Drought Monitor



Image Caption: U.S. Drought Monitor valid 7am EST January, 23, 2024

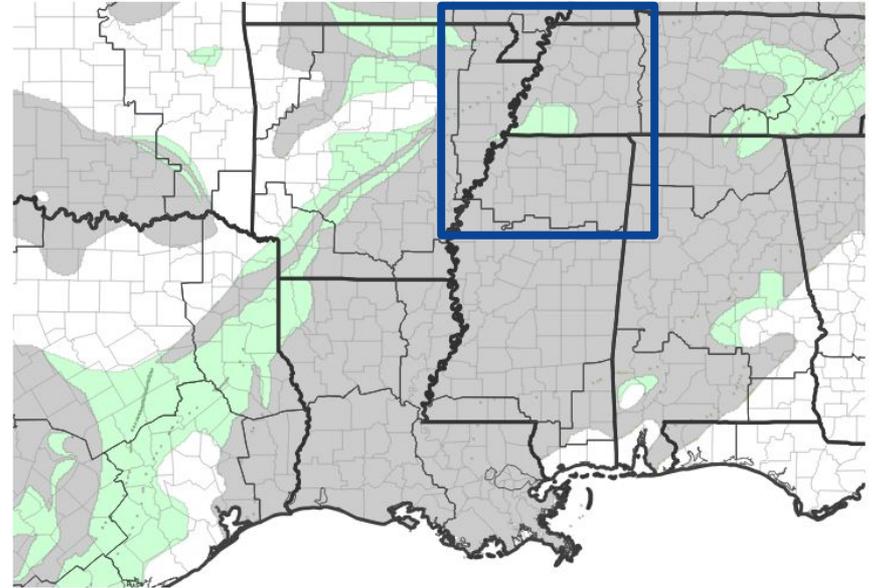




# Recent Change in Drought Intensity

Link to the latest [4-week change map](#) for the Mid-South

- One-Week Drought Monitor Class Change
  - No change: Most of the Mid-South.
  - Drought improved: a small portion in southwest TN.



Drought Change Since Last Week

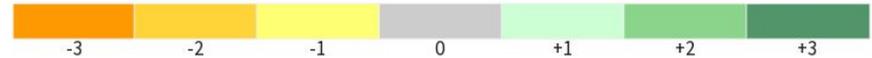


Image Caption: U.S. Drought Monitor 1-week change map valid 7 a.m. EST January 23, 2024

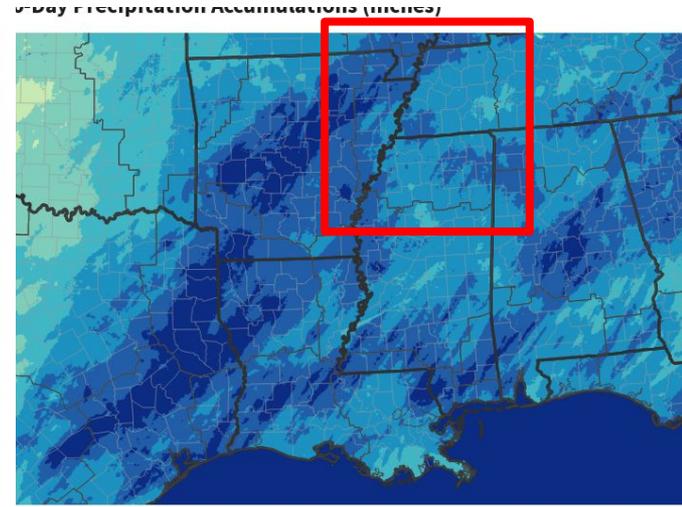
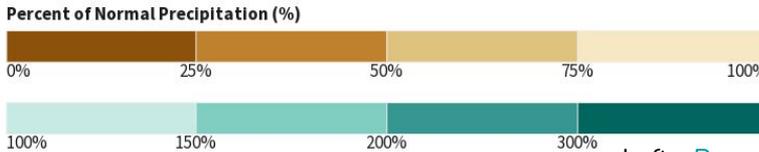
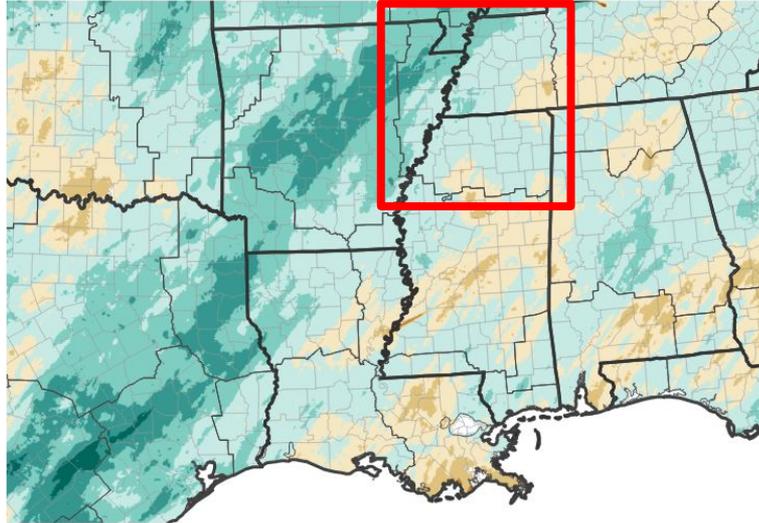




# Precipitation

Over the past 30 days from the [High Plains Regional Climate Center](#)

- Precipitation totals generally ranged from 2-6" across the Mid-South. The amount of precipitation received was welcomed, and generally above normal except for a portions of southern TN and north MS.
- The Mid-South experienced near normal or above normal precipitation over the last 30 days.



Source(s): National Weather Service Multi-Radar Multi-Sensor System. Last Updated: 01/25/24

Image Captions:  
Left - [Percent of Normal Precipitation for NWS-Southern Region East](#)  
Right - [Precipitation for NWS- Southern Region East](#)

Data Courtesy High Plains Regional Climate Center.  
Data over the past 30 days ending January 25, 2024



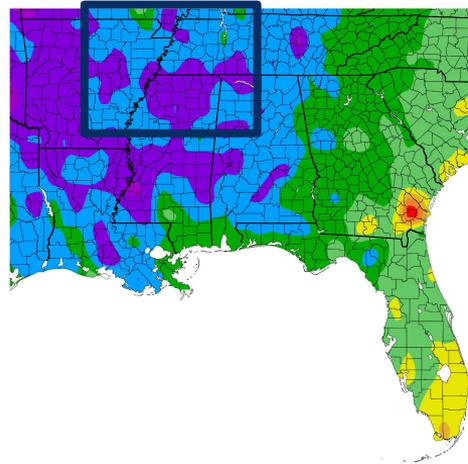


# Temperature

Data over the past 30 days from the [High Plains Regional Climate Center](#)

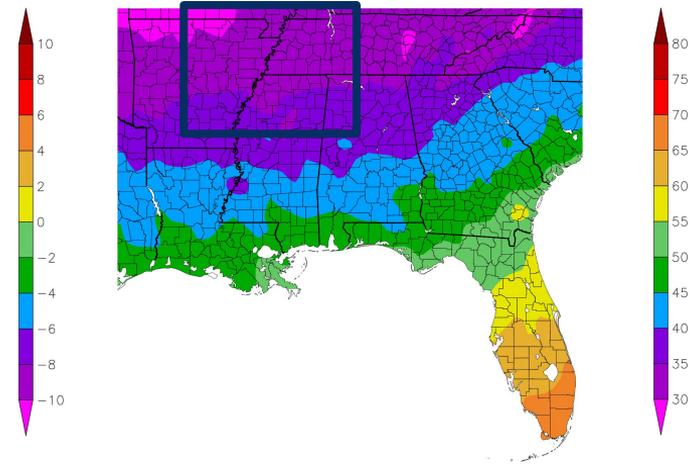
- Average temperatures have generally ranged from 30-40 degrees across the region over the last 30 days.
- Average temperatures were generally 2 to 8 degrees below normal across the region.

Departure from Normal Temperature (F)  
12/26/2023 – 1/24/2024



Generated 1/25/2024 at HPRCC using provisional data.

Temperature (F)  
12/26/2023 – 1/24/2024



NOAA Regional Climate Centers 24 at HPRCC using provisional data.

NOAA Regional Climate Centers

Image Captions:

Left - [Departure from Normal Temperature](#)

Right - [Average Temperature](#)

Data Courtesy High Plains Regional Climate Center.  
Data over the past 30 days ending January 24, 2024





# Summary of Impacts

Links: See/submit [Condition Monitoring Observer Reports \(CMOR\)](#) and view the [Drought Impacts Reporter](#)

## Hydrologic Impacts

- The Mississippi River at Memphis is above low-water threshold values. The extended river forecast shows a drop to near low-water threshold values before another rise in water due to snowmelt across the Northern Plains.

## Agricultural Impacts

- Pastures are providing marginal feed; supplemental feeding required across portions of north MS and West TN.

## Fire Hazard Impacts

- Normal wildland fire activity has been observed this month across the Mid-South. Normal wildland fire activity is expected to continue into February.

## Other Impacts

- There are no known additional impacts at this time.

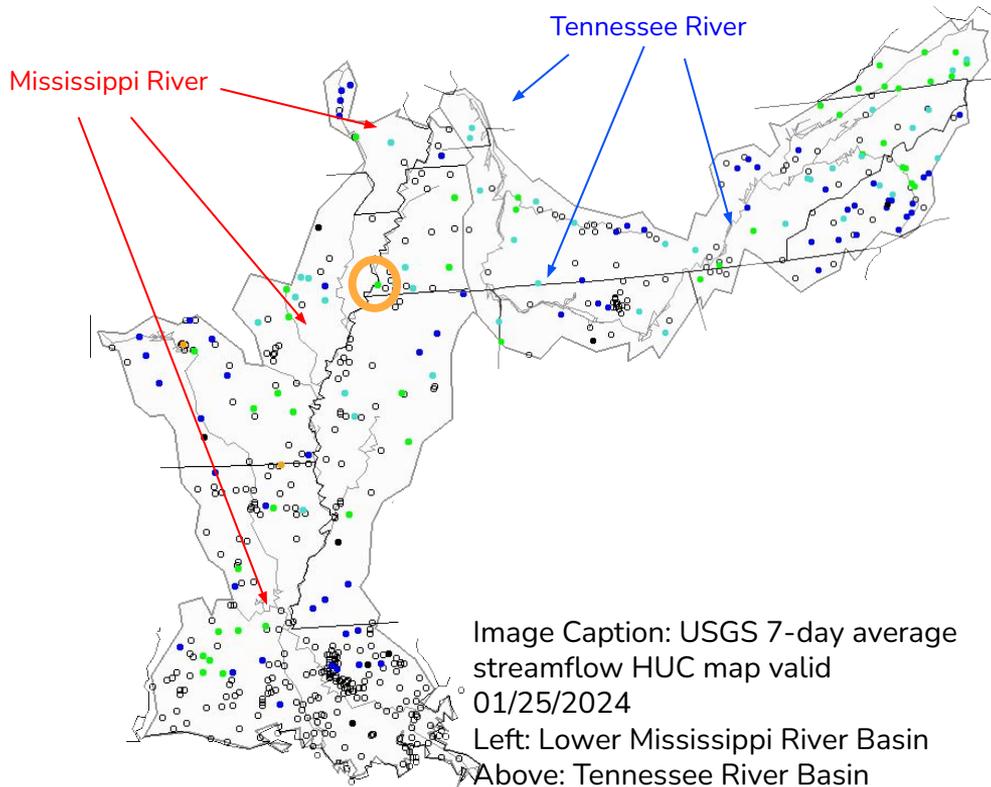
## Mitigation Actions

- Please refer to your municipality and/or water provider for mitigation information.





# Hydrologic Conditions and Impacts



- The **Mississippi River at Memphis** is above low water threshold values. The extended river forecast shows a drop to near low-water threshold values before another rise in water due to snowmelt across the Northern Plains.
- The Tennessee River feeds into the Mississippi River, and is also experiencing near to above normal water levels.

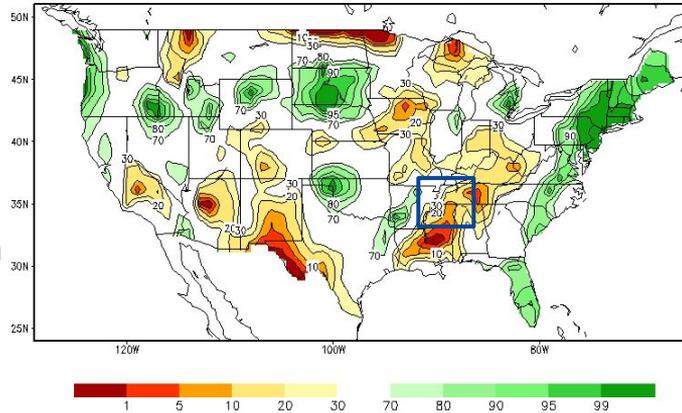




# Agricultural Impacts

- Soil moisture is roughly 10% of normal (or lower) across the entire Mid-South.
- Crop yield has been negatively affected in a few areas in northwest MS. There is a small area of abnormally moist soil in eastern AR.
- Pastures in northwest MS and West TN are producing less feed for cattle than normal and require supplemental feeding.

Calculated Soil Moisture Ranking Percentile  
JAN 24, 2024



Crop Moisture Index by Division  
Weekly Value for Period Ending JAN 20, 2024  
Short Term Need vs. Available Water in a Shallow Soil Profile

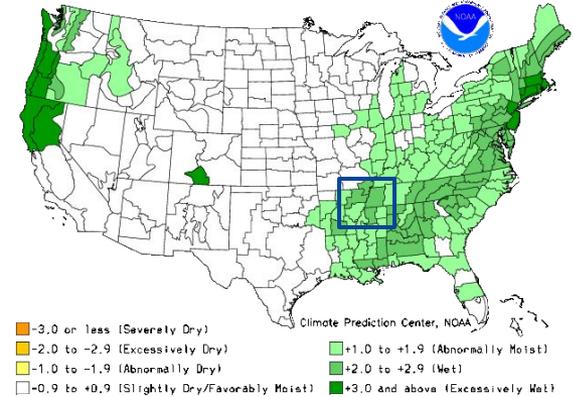


Image Captions:

Left: CPC Calculated [Soil Moisture Ranking Percentile](#) valid January 24, 2024

Right: [Crop Moisture Index by Division](#). Weekly value for period ending January 20, 2024





# Fire Hazard Impacts

Link to [Wildfire Potential Outlooks from the National Interagency Coordination Center](#).

- Normal wildland fire potential is expected for the Mid-South during January. Normal to below normal wildland fire is expected for February.
- Burn Bans currently in effect for:
  - [Arkansas](#): None.
  - [Missouri](#): None.
  - [Mississippi](#): None.
  - [Tennessee](#): None.

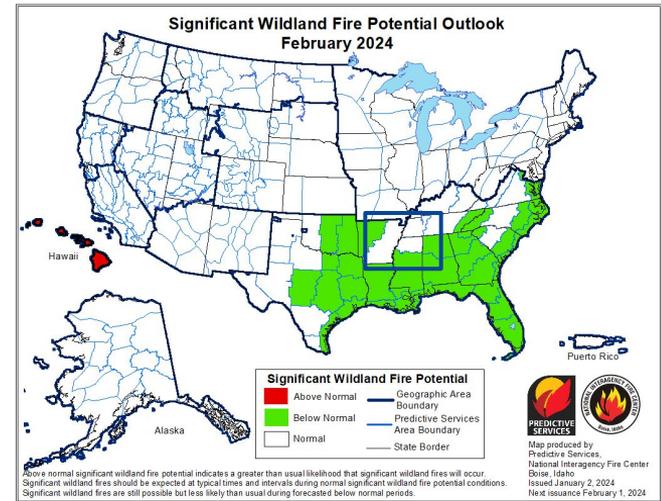
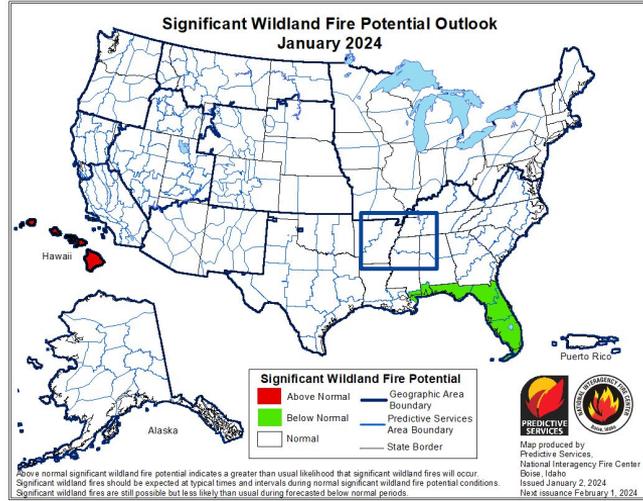


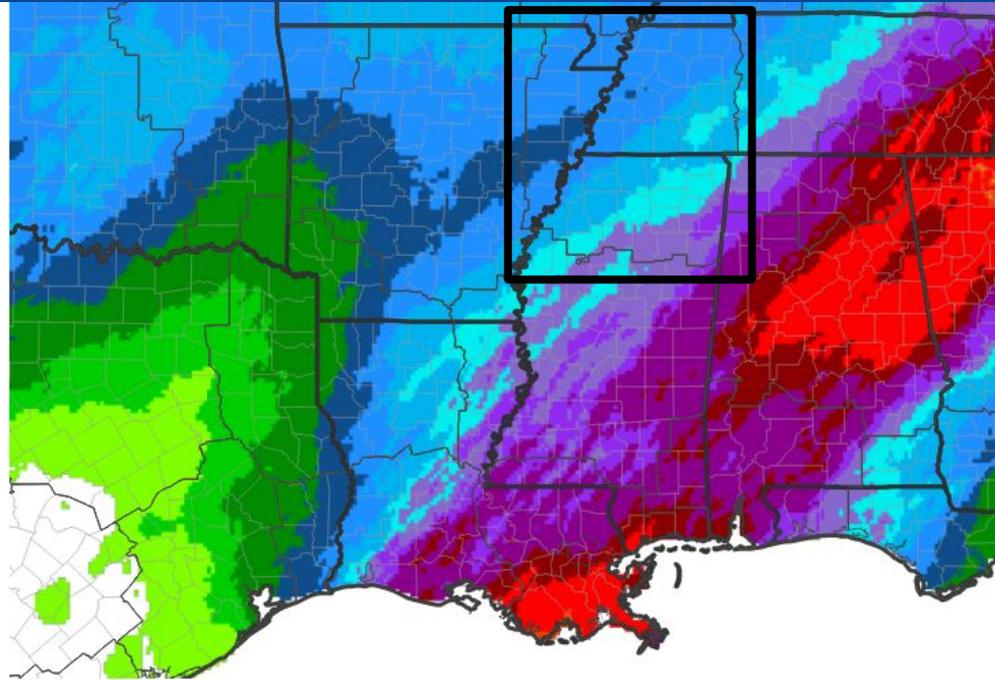
Image Caption: [Significant Wildland Fire Potential Monthly Outlook](#) for January 2024.





# Seven Day Precipitation Forecast

- Precipitation ranges from 0.50-2” across the Mid-South.
- Highest forecast precipitation amounts (QPF) look to fall on Saturday 1/27.



Predicted Inches of Precipitation

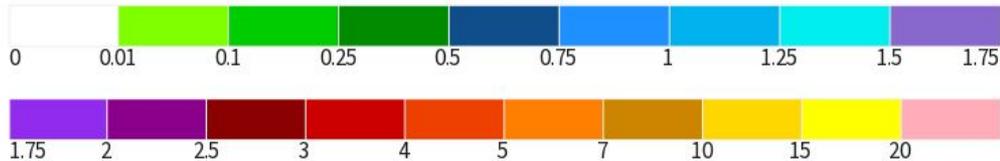


Image Caption: National Weather Service Weather Prediction Center courtesy of drought.gov ; 7-Day Quantitative Precipitation Forecast Valid January 25, 2024 through February 1, 2024





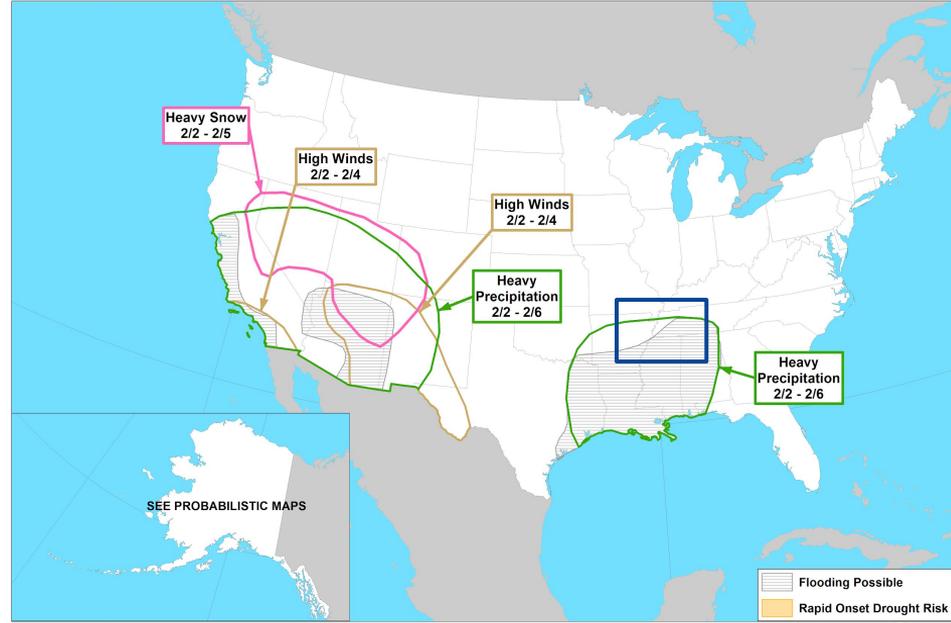
# U.S. Hazards Outlook

Links to the latest Climate Prediction Center 8 to 14 day [Temperature Outlook](#) and [Precipitation Outlook](#).

- There is a potential for heavy precipitation across north Mississippi on 2/3/24-2/5/24



Day 8-14 U.S. Hazards Outlook  
Valid: 02/02/2024-02/08/2024



Climate Prediction Center  
Made: 01/25/2024 3PM EST

Follow us:   
[www.cpc.ncep.noaa.gov](http://www.cpc.ncep.noaa.gov)

Image Caption:  
[Days 8 to 14 U.S. Hazards Outlook](#) Valid 2/1/2024 through 2/7/2024.





# Long-Range Outlooks

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- The entire Mid-South has equal chances of experiencing above or below normal temperatures for the rest of January.
- There is a 33-50% chance that the rest of January precipitation will be above normal across the Mid-South.
- In summary, January is trending wetter than normal, but could be above or below normal temperatures.

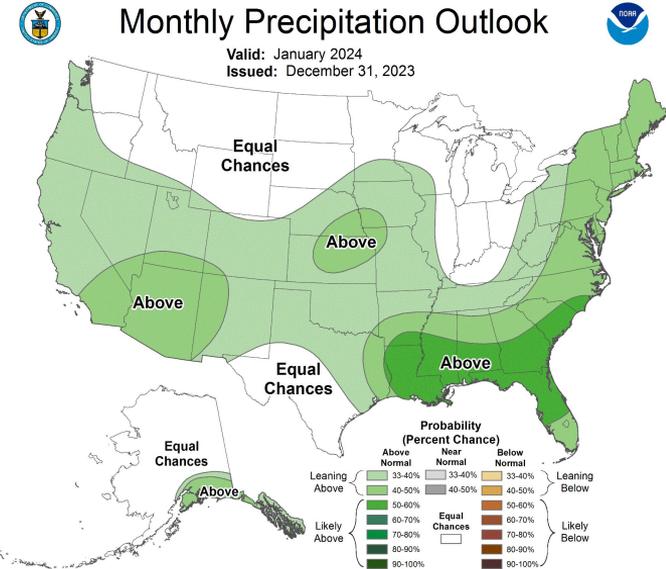
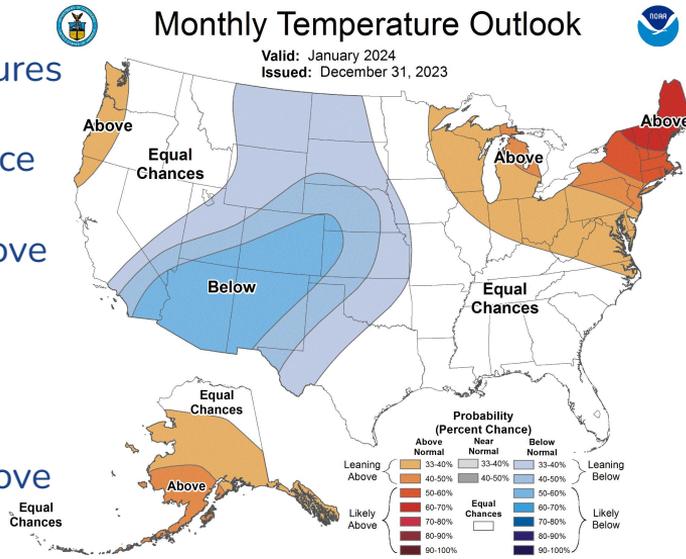


Image Captions:

Left - [Climate Prediction Center Monthly Temperature Outlook](#),

Right - [Climate Prediction Center Monthly Precipitation Outlook](#).

Valid January 2024

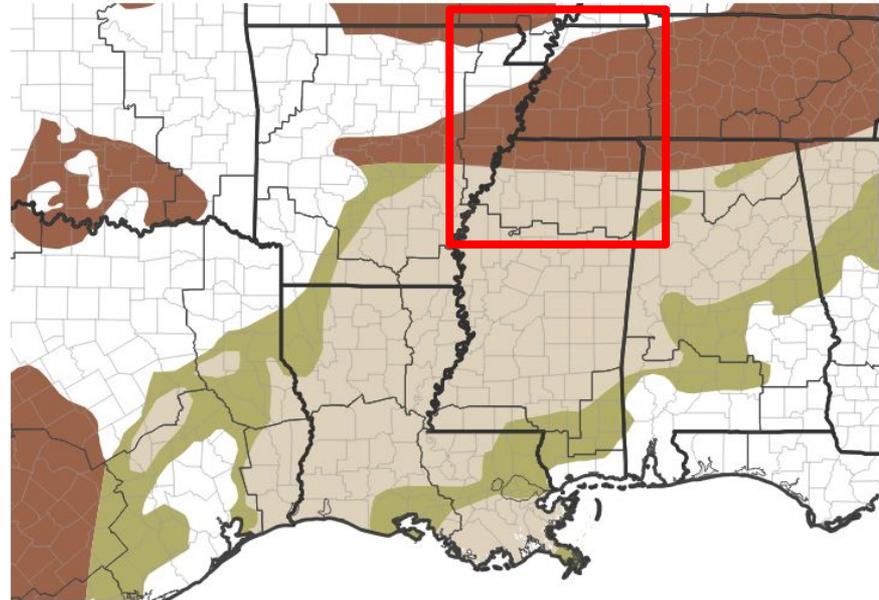




# Drought Outlook

The latest monthly and seasonal outlooks can be found on the [CPC homepage](#)

- Drought conditions are expected to improve across north MS.
- Drought conditions are also likely to persist across east-central AR and west TN.



Drought is Predicted To...



Image Caption:

Climate Prediction Center Monthly Drought Outlook Released  
01/25/2024 valid for 02/2024

Links to the latest:

- [Climate Prediction Center Monthly Drought Outlook](#)
- [Climate Prediction Center Seasonal Drought Outlook](#)

